

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
28 July 2005 (28.07.2005)

PCT

(10) International Publication Number
WO 2005/069176 A1

(51) International Patent Classification⁷: G06F 17/50,
13/00

ANG, Khoon Wee [SG/SG]; Block 942, Jurong West St.
91, #05-451, Singapore 640942 (SG).

(21) International Application Number:
PCT/SG2004/000377

(74) Agent: LAWRENCE Y D HO & ASSOCIATES PTE
LTD; 30 Bideford Road, #07-01 Thongsia Building, Sin-
gapore 229922 (SG).

(22) International Filing Date:
19 November 2004 (19.11.2004)

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
200401177-1 14 January 2004 (14.01.2004) SG

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,

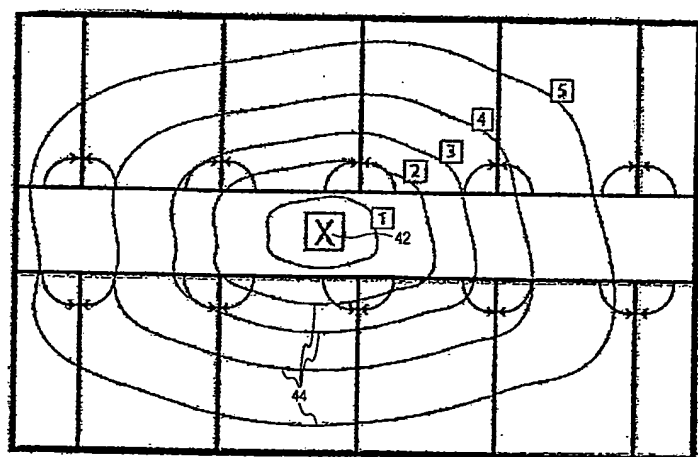
(71) Applicant (for all designated States except US):
NANYANG POLYTECHNIC [SG/SG]; 180 Ang
Mo Kio Avenue 8, Singapore 569830 (SG).

(72) Inventors; and

(75) Inventors/Applicants (for US only): KAN, Siew Leong
[SG/SG]; 207 Jalan Loyang Besar, Singapore 509468 (SG).

[Continued on next page]

(54) Title: A SYSTEM AND METHOD FOR PLANNING A WIRELESS COMPUTER NETWORK USING NETWORK PER-
FORMANCE CONTOUR OVERLAYS



40

1

Ave = 60 ms

2

Ave = 70 ms

3

Ave = 80 ms

4

Ave = 90 ms

5

Ave = 100 ms

(57) Abstract: The present invention makes use of a database of existing site surveys of a variety of locations and sites producing a plurality of test-bed templates and also a variety of simulation models of actual layouts and sites producing a plurality of simulation templates. The simulation templates and test-bed templates are used to find a best match to a new layout for planning a new wireless computer network. Data comprising of performance parameters from the templates are used to generate network performance contour overlays that may be superimposed on the new layout.

BEST AVAILABLE COPY

WO 2005/069176 A1



SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

— *with international search report*